

A. Rosowsky
U.S.S.N.: 09/890,112
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Amendments to the Specification:

Kindly enter the abstract of the invention, as follows:

The invention relates to pharmaceutically active compounds, and methods of treatment and pharmaceutical compositions that utilize or comprise one or more such compounds.

A1 Compounds of the invention are particularly useful for the treatment or prophylaxis of diseases associated with parasitic infection such as pneumocystis pneumonia, toxoplasmosis, cryptosporidiosis, leishmaniasis and malaria.

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Please replace the Title of the Invention on page 1 of the application, with the following
rewritten Title of the Invention:

DIBENZ[B,F]AZEPINE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS
COMPRISING SAME AND METHODS OF USE THEREOF

Kindly amend the paragraph starting on page 8 at line 20, as follows:

Suitable halogen substituent groups of compounds of Formulae I, IA, II, IIA, III, IV and IVA, as defined above (i.e. compounds of the invention) include F, Cl, Br and I. Alkyl groups of compounds of the invention typically have from 1 to about 12 carbon atoms, more preferably 1 to about 8 carbon atoms, still more preferably 1 to about 6 carbon atoms, even more preferably 1, 2, 3 or 4 carbon atoms, or still more preferably 1, 2 or 3 carbon atoms. As used herein, the term alkyl unless otherwise modified refers to both cyclic and noncyclic groups, although of course cyclic groups will comprise at least three carbon ring members. Preferred alkenyl and alkynyl groups of compounds of the invention have one or more unsaturated linkages and typically from 2 to about 12 carbon atoms, more preferably 2 to about 8 carbon atoms, still more preferably 2 to about 6 carbon atoms, even more preferably 1, 2, 3 or 4 carbon atoms. The terms alkenyl and alkynyl as used herein refers to both cyclic and noncyclic groups, although straight or branched noncyclic groups are generally more preferred. The term alkynyl as used herein refers to straight or branched alkynyl groups. Preferred alkoxy groups of compounds of the invention include groups having one or more oxygen linkages and from 1 to about 12 carbon atoms, more preferably from 1 to about 8 carbon atoms, and still more preferably 1 to about 6 carbon atoms, even more preferably 1, 2, 3 or 4 carbon atoms. Preferred alkylthio groups of compounds of the invention include those groups having one or more thioether linkages and from 1 to about 12 carbon atoms, more preferably from 1 to about 8 carbon atoms, and still more preferably 1 to about 6 carbon atoms. Alkylthio groups having 1, 2, 3 or 4 carbon atoms are particularly preferred. Preferred alkylsulfinyl groups of compounds of the invention include those groups having one or more sulfoxide (SO) groups and from 1 to about 12 carbon atoms, more preferably from 1 to about 8 carbon atoms, and still more preferably 1 to about 6 carbon atoms. Alkylsulfinyl groups having 1, 2, 3 or 4 carbon atoms are particularly preferred. Preferred alkylsulfonyl groups of compounds of the invention include those groups having one or more sulfonyl (SO₂) groups and from 1 to about 12 carbon atoms, more preferably from 1 to about 8 carbon atoms, and still more preferably 1 to about 6 carbon atoms. Alkylsulfonyl groups having 1, 2, 3 or 4 carbon atoms are particularly preferred. Preferred aminoalkyl groups include those groups having one or more primary, secondary and/or tertiary amine groups, and from 1 to about 12 carbon atoms, more preferably from 1 to about 8 carbon atoms, and still more preferably 1 to about 6 carbon atoms.

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12 carbon atoms, more preferably 1 to about 8 carbon atoms, still more preferably 1 to about 6 carbon atoms, even more preferably 1, 2, 3 or 4 carbon atoms. Secondary and tertiary amine groups are generally more preferred than primary amine moieties. Suitable heteroaromatic groups of compounds of the invention contain one or more N, O or S atoms and 1-3 separate or fused rings and include, e.g., coumarinyl including 8-coumarinyl, quinolinyl including 8-quinolinyl, pyridyl, pyrazinyl, pyrimidyl, furyl, pyrrolyl, thienyl, thiazolyl, oxazolyl, oxidizolyl, triazole, imidazolyl, indolyl, benzofuranyl and benzothiazol. Optionally substituted pteridine is a particularly preferred Ar group of compounds of Formula I, IA, II, and III (i.e. in Formula III U and V are each nitrogen, and two R³ groups are taken together to form a pteridine group), particularly pteridine substituted at the 6 position to the W group linkage. Suitable heteroalicyclic groups of compounds of the invention contain one or more N, O or S atoms and 1-3 separate or fused rings and include, e.g., tetrahydrofuranyl, thienyl, tetrahydropyranyl, piperidinyl, morpholino and pyrrolindinyl groups. Suitable carbocyclic aryl groups of compounds of the invention include single and multiple ring compounds, including multiple ring compounds that contain separate and/or fused aryl groups. Typical carbocyclic aryl groups of compounds of the invention contain 1 to 3 separate or fused rings and from 6 to about 18 carbon ring atoms. Specifically preferred carbocyclic aryl groups include phenyl; naphthyl including 1-naphthyl and 2-naphthyl; biphenyl; phenanthryl; anthracyl; and acenaphthyl.

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